

To accompany plans dated.

Post		Anchor Bolts				Round Pedestal					CIDH Pile						
	Total	D:-	ВС	Total	Dia	Reinforcing		Ноор		Pile	Pile	Reinforcing			Spiral		
Type	Total	Dia (mm)	(mm)	Length (mm)	(mm)	Total	Bar Size	BC (mm)	Bar Size	Pitch	Dia (mm)	Depth (m) **	Total	Bar Size	BC (mm)	Bar Size	Pitch
I-S	12	51	711	1270	1600	16	32	1381	16	89	1372	5.5	26	32	1143	16	89
∏-S	12	51	711	1270	1600	16	32	1381	16	89	1372	6	26	32	1143	16	89
Ⅲ-S	12	51	787	1270	1600	16	32	1381	16	89	1372	7	26	32	1143	16	89
I <b>∑</b> -S	14	51	864	1270	1600	16	32	1381	16	89	1372	7	26	32	1143	16	89
<b>∑</b> -S	16	64	965	1524	1753	16	36	1533	16	89	1524	8	28	36	1295	16	89
∑I-S	16	64	1041	1524	1753	16	36	1533	16	89	1524	8.5	28	36	1295	16	89
VII-S	16	64	1041	1524	1753	16	36	1533	16	89	1524	8.5	28	36	1295	16	89

\*\* Use Foundation Depth shown in table unless otherwise shown on the Project Plans.

<u>NO</u>	<u> </u>	<u>ES</u>

- 1. For anchor bolt layout see post sheet.
- 2. For "Base № elevation" see Project Plans.
- 3. Longer side of post shall be normal to axis of sign.
- 4. Prior to erection of the post, backfill which is epuivalent to the surrounding material, shall be in place.
- 5. Pedestal shall be formed 150 mm Min below ground surface. Remainder to be placed against undisturbed material.
- 6. Slope protection required when indicated on the Project Plans.
- 7. Foundation design is based on 2001 AASHTO article 13.6 Broms' approximate procedure assuming a cohesionless material. The angle of internal friction used is 30° and unit weight of soil used is 1922 kg/m³.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

## OVERHEAD SIGNS-TRUSS TWO POST TYPE ROUND PEDESTAL PILE FOUNDATION

NO SCALE

ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SHOWN

NSP S13D, NSP S13A, NSP S13B AND NSP S13C DATED DECEMBER 30, 2004 SUPERSEDE RSP S13 DATED OCTOBER 26, 2000 AND STANDARD PLAN S13 DATED JULY 1, 1999-PAGE 232 OF THE STANDARD PLANS BOOK DATED JULY 1999.

**NEW STANDARD PLAN NSP S13D** 

Vertical reinforcement 75 Clr				
SECTION B-B				
		,	Anchor	_
Ground surface away from traffic $A \cap A \cap A$ Base $A \cap A \cap A$	Post		_	
n for 51 mm Dia bolt 65 Min 100 Max mortar	Туре	Total	Dia (mm)	(
) \ 梵 <u>面間頂面間面間面</u> ↓↓   Ground surface adjacent	I-S	10		<u> </u>
to traffic	I-3 II-S	12   12	5I 5I	
25 Min 155 Max	Ⅲ-S	12	51	
$\begin{bmatrix} E \\ S \end{bmatrix}$ $\begin{bmatrix} B \\ B \end{bmatrix}$ $\begin{bmatrix} B $		14 16	5I 64	3
	∑I-S	16	64	10
	VII-S	16	64	- [(
Conduit, see lighting plan	* *	Use Fo	oundat	· <b>i</b> (
Lighting plan  See "Anchorage Details"  on New Std Plans NSP S3A  and so NSP S3A	(	otherw	ise s	h
on New Std Plans NSP S3A and see NSP S3B				
$\Psi \mid \Phi \mid \nabla \mid \Box \Box$				
t Pedestal vertical				
Pedestal vertical reinforcement, see table for size				
c   t o				
Permissible Const joint				
Permissible Const joint				
To minority deficit jerm	nd surfac	`e		
	from tro			
Slope pr	rotection	1		
See note	3 6		/	
75 CIr Pile diameter		_1		
See table Ground surface adjacent to traffic		XF		
		55 Max		
Vertical reinforcement 75 Clr		5 Min		
equally spaced (See table)  Spiral Reinf  DETAIL C				
SECTION A-A				

Pedestal Vert Reinf Total 16, see table for size

-Spiral reinforcement

Spiral #16 @ 89 pitch

Embed 1016 mm for 5 Embed 1270 mm for 6

2C